DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

BENDING ACTION MEMBER, MULTI-SLIDER LINKAGE MECHANISM, ACTUATOR AND MANIPULATOR

the specification	on of which is attached hereto un	less the following is chec	cked	
was filed of PCT Internation	on <u>June 9, 2006</u> as United States a onal Application Number <u>PCT/J</u>	Application Number <u>10/5</u> P2004/018598 and was a	82,354 and was filed on Dec mended on(if applicat	ember 13, 2004as
I hereby state	that I have reviewed and understanced by any amendment referr	and the contents of the -t-	··	•
I acknowledge Regulations, §	the duty to disclose information 1.56.	which is material to pate	ntability as defined in Title 3	7, Code of Federal
I hereby claim for patent or ir inventor's cert	foreign priority benefits under T nventor's certificate listed below ificate having a filing date before	Title 35, United States Coand have also identified to that of the application for	de, § 119 (a) – (d) of any fore selow any foreign application or which priority is claimed.	eign application(s) a for patent or
(List prior foreign	1			Priority Claimed
applications. See	2003-413719	Japan	11/Danauch - /2003	5
note A)	(Number)	(Country)	11/December/2003 (Day/Month/Year Filed)	Yes 🗌 No
	2003-413720	Japan	11/December/2003	⊠ v □ v
	(Number)	(Country)	(Day/Month/Year Filed)	⊠ Yes □ No
	2003-413721	Japan	_11/December/2003	Mv
	(Number)	(Country)	(Day/Month/Year Filed)	⊠ Yes □ No
See note B)	(Number)	(Country)	(Day/Month/Year Filed)	☐ Yes ☐ No
	See attached list for additional			
ntormation wi	the benefit under Title 35, Unite subject matter of each of the clair provided by the first paragraph on the is material to patentability as ecame available between the filibilication.	A.C. I Mil on o	AAAA, 3 TIE, I GOVIOMICUEC	uie duty to disciose
List prior U.S. Applications)			Statu	_
	(Application Serial No.)	(Filing Date)	Patented Pendin	ng 🗌 Abandoned
	(Application Serial No.)	(Filing Date)	Patented Pendin	ng 🗌 Abandoned
	(Application Serial No.)	(Filing Date)	Patented Pendin	ng Abandoned
	(Application Serial No.)	(Filing Date)	Patented Pendin	ng Abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number: 38834

Please direct all communications to the following address:

Westerman, Hattori, Daniels & Adrian, LLP 1250 Connecticut Avenue, N.W., Suite 700, Washington, D.C. 20036

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

See note C)	Full name of sole or f	first inventor (given name, family name)	Takeyoshi DOHI	
	Inventor's signature Residence	上起他多	Date May 2 2007	
		Setagaya-ku, Tokyo, Japan	Citizenship o Japan	
	Post Office Address	2-6-30, Nakamachi, Setagaya-ku, Tok	yo 158-0091 Japan	
	T.11. C. 1.			
	Inventor's signature	inventor (given name, family name)	Nobuhiko HATA Date	
	Decidence	ston, Massachusetts, United States of	Citizenchin	
		America	Japan Japan	
	Post Office Address	L1-050 Department of Radiology Brig	ham and Women's Hospital.	
		75 Francis St., Boston, Massachusetts	02115 United States of America	
	Full name of third inv	entor (given name, family name)	Hiromasa YAMASHITA	
	Inventor's signature Residence	一一个红王	Date May 7, 2007	
	Post Office Address	Kita-ku, Tokyo, Japan	Citizenship Japan	
	Post Office Address	101 Fuse-Haitsu, 2-38-3, Nishigahara,	Kita-ku, Tokyo 114-0024 Japan	
	•			
	Full name of fourth in Inventor's signature	nventor (given name, family name)	Akibiro IIMURA	
	Residence		Date	
	Post Office Address	Shinagawa-ku, Tokyo, Japan	Citizenship Japan	
	1 OSt Office Address	c/o THK CO., LTD.,		
		11-6, Nishi Gotanda 3-chome, Shinagawa-ku, Tokyo 141-8503 Japan		
	T. 11			
	Inventor's signature	entor (given name, family name)	Toji NAKAZAWA	
	Residence		Date	
	Post Office Address	Shinagawa-ku, Tokyo, Japan	Citizenship Japan	
	TOUR CITIES TRANSCOS	c/o THK CO., LTD.,		
		11-6, Nishi Gotanda 3-chome, Shinagawa-ku, Tokyo 141-8503 Japan		
	E-11 0 : 41 :			
•	Inventor's signature	ventor (given name, family name)	Date	
	Residence		Citizenship	
	Post Office Address			
		454.400		

Docket	NΙα	٠	
Docker	NO		

Westerman, Hattori, Daniels & Adrian, LLP

DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

BENDING ACTION MEMBER, MULTI-SLIDER LINKAGE MECHANISM, ACTUATOR AND MANIPULATOR

the specificati	on of which is attached hereto un	aless the following is cha	ecked	
		_		
PCT Internation	on <u>June 9, 2006</u> as United States a onal Application Number <u>PCT/J</u>	Application Number <u>10/</u> <u>P2004/018598</u> and was	<u>582,354</u> and was filed on <u>Dec</u> amended on(if applical	
I hereby state claim(s), as ar	that I have reviewed and underst mended by any amendment referr	and the contents of the a ed above.	bove-identified specification,	including the
I acknowledge Regulations, §	e the duty to disclose information $\S 1.56$.	which is material to pa	tentability as defined in Title	37, Code of Federal
I hereby claim for patent or it inventor's cer	n foreign priority benefits under T nventor's certificate listed below tificate having a filing date before	Title 35, United States C and have also identified that of the application	ode, § 119 (a) ~ (d) of any for below any foreign application for which priority is claimed.	eign application(s) n for patent or
(List prior foreign	n			Priority Claimed
applications. See note A)		Japan	11/December/2003	⊠ Yes □ No
note Aj	(Number)	(Country)	(Day/Month/Year Filed)	⊠ res □ No
	2003-413720	Japan	11/December/2003	⊠ Yes □ No
	(Number)	(Country)	(Day/Month/Year Filed)	210 110
	2003-413721	Japan	11/December/2003	⊠ Yes □ No
	(Number)	(Country)	(Day/Month/Year Filed)	23 163 [] 140
	·			☐ Yes ☐ No
	(Number)	(Country)	(Day/Month/Year Filed)	
(See note B)	a transmission and according to			
I hereby claim insofar as the sin the manner information w § 1.56 which that of this ap	the benefit under Title 35, Unite subject matter of each of the clair provided by the first paragraph of hich is material to patentability a became available between the fili plication.	ed States Code, § 120 of ms of this application is of Title 35, United State is defined in Title 37, Co ing date of the prior appl	any United States application not disclosed in the prior Units Code, § 112, I acknowledge de of Federal Regulations, ication and the national or PC	n(s) listed below and, ted States application the duty to disclose T international filing
(List prior U.S. Applications)			State	-
.,	(Application Serial No.)	(Filing Date)	☐ Patented ☐ Pend	ing 🗌 Abandoned
	(Application Serial No.)	(Filing Date)	Patented Pend	ing Abandoned
	(Application Serial No.)	(Filing Date)	☐ Patented ☐ Pend	ing 🗌 Abandoned
	(Application Serial No.)	(Filing Date)	Patented Pend	ing Abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number: 38834

Please direct all communications to the following address:

Westerman, Hattori, Daniels & Adrian, LLP 1250 Connecticut Avenue, N.W., Suite 700, Washington, D.C. 20036

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

				or me abbucation or at
C)	Full name of sole or inventor's signature Residence	first inventor (given name, family name)	Date	nkevoshi DOHI
		Setagaya-ku, Tokyo, Japan	Citizenship	
	Post Office Address	2-6-30, Nakamachi, Setagaya-ku, Tok		Janun
		!	<u>yo 158-0091 Japa</u>	n .
	Full name of second	inventor (given name, family name)		
	A to Destroy C	taniny name)	Date	babiko HATA
	Residence Bo	ston, Massachusetts, United States of America	_ Citizenship	Japan
	Post Office Address	L1-050 Department of Radiology Brig	hom and War.	
		75 Francis St., Boston, Massachusetts	DAME AND WOMEN	s Hospital,
	•		VALLS United Stat	tes of America
	Full name of third im	entor (given name, family name)		
		- G. Tallino, Idillay Innie)	Date	292 YAMASHITA
	Residence	Kita-ku, Tokyo, Japan	Citizenship	
	Post Office Address	101 Rose-Hairen 2 20 2 No. 1	Cirrsenzurb	Japan
	-	101 Fuse-Haitsu, 2-38-3, Nishigahara,	Kita-ku, Tokyo 1	14-0024 Japan
•	_			
	Full name of fourth in	ventor (given name, family name)		
		realtor (gracu mine, family name)	Ak	ibiro IIMURA
	Residence	Shinagana	Date	
	Post Office Address	Shinagawa-ku, Tokyo, Japan	Citizenship	Japun
	_	CO THK CO. LTD.		
	•	11-6, Nishi Gotanda 3-chome, Shinagay	va-ku, Tokyo 141	-8503 Januari
	Full name of Eas :			TTV- Value
	Inventor's signature	entor (given name, family name)	Toti	NAKAZAWA
	Residence	·	Date	THE PROPERTY OF THE PERSON OF
	Post Office Address	Shinagawa-ku, Tokyo, Japan	Citizenship	T
		c/o THK CO., LTD.,		Japan
	•	11-6, Nishi Gotanda 3-chome, Shinagar	Tolono * 44	0500.3
,	Entl		TONYU 141	oous Japan
		entor (given name, family name)		
]	Residence -		Date	
1	Post Office Address		Citizenship	
			-	
	_			
	_			·

Docket	No	
DOCKOL	110.	

Westerman, Hattori, Daniels & Adrian, LLP

DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention

MANIPU	S ACTION MEMBER, MULT LATOR	I-SLIDER LINKAGE	MECHANISM, ACTUATO	OR AND
the specificatio	on of which is attached hereto un	less the following is che	cked	
was filed or PCT Internation	n <u>June 9, 2006</u> as United States A nal Application Number <u>PCT/J</u>	Application Number <u>10/5</u> P2004/018598 and was a	582,354 and was filed on <u>Dec</u> amended on(if applica	<u>cember 13, 2004</u> as ble).
I hereby state th	hat I have reviewed and understa ended by any amendment referr	and the contents of the -1		
I acknowledge Regulations, §	the duty to disclose information 1.56.	which is material to pate	entability as defined in Title	37, Code of Federal
I hereby claim: for patent or in inventor's certi	foreign priority benefits under T ventor's certificate listed below a ficate having a filing date before	itle 35, United States Co and have also identified that of the application f	de, § 119 (a) – (d) of any for below any foreign application or which priority is claimed.	eign application(s) n for patent or
(List prior foreign				Priority Claimed
applications. See note A)	2003-413719	Japan	11/December/2003	⊠ Yes □ No
	(Number)	(Country)	(Day/Month/Year Filed)	□ 163 □ 140
	2003-413720	Japan	11/Dagamba=/2002	Na C
	(Number)	(Country)	11/December/2003 (Day/Month/Year Filed)	Yes No
			(
	<u>2003-413721</u>	Japan	11/December/2003	Yes 🗌 No
	(Number)	(Country)	(Day/Month/Year Filed)	
	(Number)	(Country)	(Day/Month/Year Filed)	☐ Yes ☐ No
(See note B)	See attached list for additional p	rior foreign applications	(Sujimomilia Pilali)	
I hereby claim to insofar as the st in the manner p information who	the benefit under Title 35, Unite abject matter of each of the claim rovided by the first paragraph of ich is material to patentability as scame available between the file.	d States Code, § 120 of as of this application is ref Title 35, United States	any United States application to disclosed in the prior United Code, § 112, I acknowledge	tile anti to disclose
(List prior U.S.			Statu	18
Applications)			Patented Pend	ing Abandoned
	(Application Serial No.)	(Filing Date)		. Abandoned
-	(Application Serial No.)	(Filing Date)	Patented Pendi	ing Abandoned
-	(Application Serial No.)	(Filing Date)	Patented Pendi	ing 🔲 Abandoned
-	(Application Serial No.)	(Filing Date)	☐ Patented ☐ Pendi	ng 🗌 Abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number: 38834

Please direct all communications to the following address:

Westerman, Hattori, Daniels & Adrian, LLP 1250 Connecticut Avenue, N.W., Suite 700, Washington, D.C. 20036

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any (See note C). Full name of sole or first inventor (since the content of the cont

Inventor's signature	first inventor (given name, family name)	Takeyoshi DOHI	
Residence	Satagona I T.	Date	
Post Office Address	Setagaya-ku, Tokyo, Japan	Citizenship Japan	
	2-6-30, Nakamachi, Setagaya-ku, Tok	yo 158-0091 Japan	
Full name of second	inventor (given name, family name)	Nobubiko HATA	
myemor a signature		Date Noodbiko HATA	
	ston, Massachusetts, United States of America	Citizenship Japan	
Post Office Address	L1-050 Department of Radiology Brig	hom 1 111	
	75 Francis St. Roston, Massachusette	nam and Women's Hospital,	
	75 Francis St., Boston, Massachusetts	02115 United States of America	
mvemor s signature	ventor (given name, family name)	Hiromasa YAMASHITA	
Residence	Kita-ku, Tokyo, Japan	Citizenship	
Post Office Address	101 Fung Heiter 2 CG C 200 c		
	101 Fuse-Haitsu, 2-38-3, Nishigahara,	Kita-ku, Tokyo 114-0024 Japan	
Inventor's signature Residence Post Office Address	Akihire Limura Shinagawa-ku, Tokyo, Japan	Akihiro IIMURA Date 03/26/2007 Citizenship Japan	
	c/o THK CO., LTD.,		
	11-6, Nishi Gotanda 3-chome, Shinaga	wa-ku, Tokyo 141-8503 Japan	
*			
Inventor's signature Residence	entor (given name, family name) Toji NAKAZAWA	Date 02/26/2007	
	Shinagawa-ku, Tokyo, Japan	Citizenship	
Post Office Address	c/o THK CO., LTD.,	Japan	
	11-6, Nishi Gotanda 3-chome, Shinagay	wa-ku, Tokyo 141-8503 Japan	
Full name of single !			
Inventor's signature	entor (given name, family name)	Date	
Residence		Date	
Post Office Address		Citizenship	
1 031 Office Address			